

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims

1. (Withdrawn) A system for collecting vehicle data for a vehicle to provide at least one of vehicle service recommendations or vehicle replacement part recommendations for the vehicle to a user for selection by the user, said system comprising:

an in-vehicle device interconnected with the vehicle to collect the vehicle data and to communicate selections by the user;

an analysis device to analyze the collected vehicle data from the in-vehicle device and to provide the at least one of vehicle service recommendations or vehicle replacement part recommendations for the vehicle according to the collected vehicle data to the in-vehicle device for selection by the user; and

a communication interface device that data communicates with said in-vehicle device and the analysis device;

wherein said in-vehicle device communicates with said analysis device via said communication interface device.

2. (Withdrawn) The system in accordance with claim 1, further comprising:

a global network data processing resource,

wherein said analysis device is the global network data processing resource.

3. (Withdrawn) The system in accordance with claim 1, wherein said in-vehicle device further comprises:

a vehicle monitor and metering interface for measuring and monitoring vehicle telemetry data.

4. (Withdrawn) The system in accordance with claim 3, wherein said vehicle monitor and metering interface further comprises at least one of the following:

an accelerometer for measuring or monitoring vehicle acceleration changes;

a metering device for measuring or monitoring a motor revolutions-per-minute/vehicle velocity; or

an odometer for measuring or monitoring a vehicle travel distance.

5. (Withdrawn) The system in accordance with claim 1, wherein said vehicle includes a vehicle radio, said in-vehicle device further comprises:

a vehicle radio interface for interconnecting said in-vehicle device to said vehicle radio.

6. (Withdrawn) The system in accordance with claim 5, wherein said vehicle radio, by way of said vehicle radio interface, communicates with global network based data processing resources.

7. (Withdrawn) The system in accordance with claim 5, wherein said vehicle radio, by way of said vehicle radio interface, receives satellite location information data communication.

8. (Withdrawn) The system in accordance with claim 1, wherein said in-vehicle device further comprises:

an alarm system interface for monitoring vehicle security status.

9. (Withdrawn) The system in accordance with claim 1, wherein said in-vehicle device is configured for communication with a personal data assistant device, said in-vehicle device further comprises:

a personal data assistant interface for data communicating between said in-vehicle device and the personal data assistant device.

10. (Canceled)

11. (Withdrawn) The system in accordance with claim 1, wherein said in-vehicle device further comprises:

a user interface including a display, and a microphone for enabling a user to issue voice commands to said in-vehicle device.

12. (Withdrawn) The system in accordance with claim 11, wherein said vehicle includes a vehicle passenger compartment area and said in-vehicle device is located external to said vehicle passenger compartment area and said user interface is electronically connected with and separate from said in-vehicle device to allow said user to interact with said user interface from within said vehicle passenger compartment area.

13. (Withdrawn) The system in accordance with claim 1, wherein said in-vehicle device further comprises:

a global positioning receiver interface for determining a geographic location of said in-vehicle device.

14. (Withdrawn) The system in accordance with claim 1, wherein said in-vehicle device is retrofitted into said vehicle.

15. (Withdrawn) The system in accordance with claim 1, wherein said in-vehicle device further comprises a wireless transceiver.

16. (Canceled)

17. (Withdrawn) The system in accordance with claim 16, wherein said programmable storage device is at least one of the following: a pocket PC, a personal data assistant, a wireless phone, a pager, an RFID device, a smart card, a magnetic card, a key fob, a key chain, or a vehicle key.

18. (Canceled)

19. (Withdrawn) A system for wirelessly collecting vehicle data for a vehicle to provide to a user at least one of vehicle service recommendations or vehicle replacement part recommendations for the vehicle for selection by the user, the vehicle including a vehicle radio, said system comprising:

an in-vehicle device interconnected with the vehicle to collect the vehicle data and to communicate selections by the user;

an analysis device to analyze the collected vehicle data from the in-vehicle device and to provide the at least one of vehicle service recommendations or vehicle replacement part recommendations according to the collected vehicle data to the in-vehicle device for selection by the user; and

a communication interface device for data communicating with said in-vehicle device, said communication interface device having a data communication connection with the analysis device;

wherein said in-vehicle device further comprises at least one of the following:

a vehicle monitor and metering interface for measuring and monitoring vehicle telemetry data;

a vehicle radio interface for interconnecting said in-vehicle device to a vehicle radio;

an alarm system interface for monitoring said vehicle security status;

a personal data assistant device interface for enabling data communication between said in-vehicle device and a user;

a user interface including a display, and a microphone for enabling a user to issue voice commands to said in-vehicle device; or

a global positioning receiver interface for determining a geographic location of said in-vehicle device;

wherein said in-vehicle device data communicates with said analysis device via said communication interface device.

20. (Withdrawn) A method of servicing a vehicle by utilizing vehicle data to provide vehicle service recommendations or vehicle replacement part recommendations for the vehicle to a user for selection by the user, said method comprising the steps of:

a) receiving collected vehicle data from an in-vehicle device interconnected with said vehicle;

b) obtaining diagnostic information related to said vehicle;

c) determining at least one of vehicle service recommendations or vehicle replacement part recommendations for the vehicle according to the collected vehicle data and the diagnostic information;

d) allowing a user, from said vehicle, to review and to select one or more of the determined vehicle service recommendations or vehicle replacement part recommendations;
and

e) receiving a selection from the user for the one or more of the determined vehicle service recommendations or vehicle replacement part recommendations.

21. (Withdrawn) The method in accordance with claim 20, further comprising the steps of:

a) effectuating an e-commerce or an e-business transaction to place an order for the selection for said one or more of the determined vehicle service recommendations; or vehicle replacement part recommendations; and

b) confirming said e-commerce or said e-business order placement.

22. (Withdrawn) The method in accordance with claim 21, wherein the step of confirming said e-commerce or said e-business order further comprises the step of:

a) charging one or more fees for transacting said e-commerce or said e-business transaction.

23. (Currently Amended) A method of servicing a vehicle, said method comprising the steps of:

a) monitoring vehicle data associated with the vehicle, said vehicle data being data communicated between an in-vehicle device located in said vehicle and a communication interface device;

- b) analyzing said monitored vehicle data;
- c) obtaining diagnostic information related to a determination of a type of service for the vehicle and at least one or more of vehicle service recommendations or vehicle replacement part recommendations;
- d) determining said at least one or more of vehicle service recommendations or vehicle replacement part recommendations according to the analyzed vehicle data and the diagnostic information;
- e) displaying, within said vehicle, said determined at least one of vehicle service recommendations or vehicle replacement part recommendations to a user;
- f) ~~selecting~~receiving from, by said user, ~~from within said vehicle~~ approval of one or more of said displayed at least one of vehicle service recommendations or vehicle replacement part recommendations; ~~and~~
- g) ~~receiving a selection from the user for the one or more selected vehicle service recommendations or vehicle replacement part recommendations~~ determining a list of vehicle service center locations for repairing the vehicle such that the determined list of vehicle service center locations is in accordance with the one or more approved vehicle replacement part recommendations and is based on the type of service for the vehicle;
- h) displaying, from within the vehicle, said determined list of locations of vehicle service centers;
- i) receiving, from the user within the vehicle, a selection of one of the displayed vehicle service center locations; ~~and~~
- j) receiving, from within the vehicle, an order for one or more vehicle parts corresponding to the approved vehicle replacement part recommendations for delivery to a vehicle service center based on the selected location.

24. (Currently Amended) The method of vehicle servicing in accordance with claim 23, wherein the step of receiving the order includes ~~further comprising~~ the steps of:

a) ~~effectuating placement of an e-commerce or an e-business transaction to place an~~
order based on the selected location and ~~for said one or more selected-vehicle service~~
~~recommendations or vehicle replacement parts indicated in the order recommendations; and~~

~~— b) confirming said e-commerce or said e-business order placement.~~

25. (Currently Amended) The method of vehicle servicing in accordance with claim 24, wherein the step of confirming said ~~e-commerce or said e-business order placement~~ further comprises the step of:

a) ~~charging one or more fees for transacting said e-commerce or said e-business~~
~~transaction~~ effectuating the order.

26. (Currently Amended) A method of performing remote vehicle diagnostics to provide ~~vehicle service recommendations or vehicle replacement part recommendations~~ for a vehicle to a user for selection by the user, comprising the steps of:

a) receiving vehicle data associated with data ~~for~~ the vehicle at a communication interface device, said data being data communicated by an in-vehicle device located in the vehicle or data communicated by a programmable storage device carried by a user;

b) communicating said vehicle data from said communication interface device to a remote location via a global network;

c) analyzing said received vehicle data at said remote location;

d) accessing one or more of data processing resources to obtain diagnostic information related to a determination of ~~at least one or more of vehicle service recommendations or vehicle replacement part recommendations and information related to a type of service for the vehicle;~~

e) determining said ~~at least one or more of vehicle service recommendations or vehicle replacement part recommendations~~ according to the analyzed vehicle data and the diagnostic information;

f) ~~receiving, from selecting by~~ said user, ~~from~~ within said vehicle, a selection of one or more of the determined at least one vehicle service recommendations or vehicle replacement part recommendations; and

g) ~~receiving from the user a selection of the one or more of the determined at least one vehicle service recommendations or vehicle replacement part recommendations from said vehicle through said communication interface device~~determining a list of vehicle service center locations for repairing the vehicle such that the determined list of vehicle service center locations is in accordance with the one or more determined vehicle replacement part recommendations and based on the type of service for the vehicle;

h) displaying, from within the vehicle, said determined list of locations of vehicle service centers;

i) receiving, from the user within the vehicle, a selection of one of the displayed vehicle service center locations; and

j) receiving, from within the vehicle, an order for one or more vehicle parts corresponding to the selected vehicle replacement part recommendations for delivery to a vehicle service center corresponding to the selected location.

27. (Currently Amended) The method of performing remote vehicle diagnostics in accordance with claim 26, wherein the step of receiving an order includes further comprising the steps of:

a) ~~effectuating an e-commerce or an e-business transaction by placing an~~the order for the selection ~~for said one or more vehicle parts~~service recommendations or vehicle replacement part recommendations; and

b) ~~confirming~~ said e-commerce or said e-business order placement.

28. (Previously Presented) The method of performing remote vehicle diagnostics in accordance with claim 27, wherein the step of confirming said e-commerce or said e-business order further comprises the step of:

charging one or more fees for transacting said e-commerce and/or said e-business transaction.

29. (Previously Presented) The method of performing remote vehicle diagnostics in accordance with claim 26, wherein said programmable storage device is at least one of the following: a pocket PC, a personal data assistant, a wireless phone, a pager, an RFID device, a smart card, a magnetic card, a key fob, a key chain, or vehicle key.

30. (Withdrawn) A system for collecting vehicle performance data for a vehicle to provide vehicle service recommendations or vehicle replacement part recommendations to a user for selection by the user, an analysis device receiving the collected vehicle performance data and determining at least one of the vehicle service recommendations or vehicle replacement part recommendations for the vehicle that are provided to the user, said system comprising:

an in-vehicle device to collect and to transmit the vehicle performance data to the analysis device and to communicate selections by the user to a location external to the vehicle; and

a receiving unit to receive and to display the determined vehicle service recommendations or vehicle replacement part recommendations to the user in the vehicle via the in-vehicle device from the analysis device for selection by the user.

31. (Withdrawn) A system for analyzing collected vehicle performance data from an in-vehicle device to determine vehicle service recommendations or vehicle replacement part recommendations to be provided to a user for selection in the vehicle, said system comprising:

an analysis device to analyze the collected vehicle performance data from the in-vehicle device and to determine at least one of vehicle service recommendations or vehicle replacement part recommendations for the vehicle according to the analyzed vehicle performance data and diagnostic information, corresponding to the vehicle, which relates to the analyzed vehicle performance data; and

a communication interface device data communicating with said in-vehicle device, and located external to the vehicle, said communication interface device operatively connecting the

analysis device to the in-vehicle device to transfer the determined vehicle service recommendations or vehicle replacement part recommendations from the analysis device to the in-vehicle device, the communication interface device communicating selections by the user of the determined vehicle service recommendations or vehicle replacement part recommendations from the in-vehicle device to a location external to the vehicle.

32. (Withdrawn) The system of claim 1, wherein the communication interface device includes a wireless device for communicating wirelessly with said in-vehicle device.

33. (Withdrawn) The system of claim 19, wherein the communication interface device includes a wireless device for communicating wirelessly with said in-vehicle device.

34. (Withdrawn) The method of claim 20, wherein the step of obtaining diagnostic information includes the step of:

obtaining diagnostic information wirelessly from said vehicle.

35. (Currently Amended) The method of claim 23, wherein the step of monitoring the vehicle data includes the step of:

monitoring the vehicle data communicated wirelessly between the in-vehicle device and the communication interface device.

36. (Withdrawn) The system of claim 30, wherein the in-vehicle device includes a wireless device to wirelessly transmit the vehicle performance data.

37. (Withdrawn) The system of claim 31, wherein the communication interface device includes a wireless device for communicating wirelessly with said in-vehicle device.

38. (Currently Amended) The method according to claim 23, further comprising the step of:

confirming, from within the vehicle, reception of the ~~selection~~approval ~~of for~~ the one or more selected vehicle ~~service recommendations or vehicle replacement part recommendations~~ at ~~either at the remote location or a further remote location~~ external to the vehicle.

39. (Currently Amended) The method according to claim 23, further comprising the step of:

allocating the one or more vehicle parts used for ~~the repairing the vehicle parts~~ recommendations when the remote location ~~or a further remote location~~ receives the selection approval by the user ~~for of~~ the one or more vehicle replacement part recommendations and the user selects the vehicle service center.

40. (Previously Presented) The method according to claim 23, wherein the step of receiving the selection from the user includes receiving the selection external to the vehicle from the user.

41. (Currently Amended) The method according to claim 23, wherein the step of receiving the selection ~~selecting of one of the displayed vehicle service center locations~~ includes ~~at least one of (1) scheduling a service with a~~ the vehicle service center ~~provider or (2) ordering a vehicle part.~~